

SAFETY DATA SHEET

Prepared according to Regulation (EU) No 2015/830 of the Commission dated 28 May 2015

MD AIR FRESHENER (blackberry)

Date of issue: 06.02.2017

Last updated:

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SECTION 1: Substance/mixture identification and company identification

1.1. Product ID MD AIR FRESHENER (blackberry)

1.2. Important identified uses for the substance or mixture and uses advised against

Identified uses: air freshener

Uses advised against: unspecified

1.3. Data sheet supplier information:

Producer:

LIPORT Wojciech Liszega

Krasickiego 2a/73

81-385 Gdynia

Production facility:

Leśna 8

83-010 Straszyn

1.4. Emergency phone number

112 (general emergency number), 998 (fire department), 999 (emergency medical service)

SECTION 2: Hazard identification

2.1. Substance or mixture classification

Classification in accordance with Regulation 1272/2008 (CLP)

Eye Irrit. 2

H319 Causes serious eye irritation.

2.2 Marking elements:

Pictograms:



Signal word: CAUTION

Hazard statements:

H319 Causes serious eye irritation

Precautionary statements:

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/attention.

EUH208: Contains 2-benzylideneoctanal, 3,7-dimethyloct-6-en-1-ol. May produce an allergic reaction.

Contains: fragrance (HEXYL CINNAMAL, CITRONELLOL, LINALOOL, BENZYL ALCOHOL)

2.3 Other hazards:

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No information regarding the meeting of PBT or vPvB criteria in accordance with appendix XIII of the REACH regulation.
No appropriate research has been carried out on this product.

SECTION 3: Composition/component information**3.1. Substances**

Not applicable

3.2. Mixtures

Dangerous components:

Product ID	Quantity [%]	CLP classification	
		Hazard classification	Hazard statements codes
3-Methoxy-3-methyl-1-butanol CAS number: 56539-66-3 EC number: 260-252-4 Index number: - REACH registration number: 01-2119976333-33-0000	0 – 15	Eye Irrit. 2	H319
Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides CAS number: 68424-85-1 EC number: 270-325-2 Index number: - REACH registration number: the substance is subject to the transitional period regulations	<1	Acute Tox. 4 Skin Corr. 1B Aquatic Acute 1 (M=10) Aquatic Chronic 1 (M=1)	H302 H314 H400 H410
2-benzylideneoctanal CAS number: 101-86-0 EC number: 202-983-3 Index number: - REACH registration number: 01-2119533092-50	<1	Skin Sens. 1 Aquatic Chronic 2	H317 H411
ethane-1,2-diol [ethylene glycol] CAS number: 107-21-1 EC number: 203-473-3 Index number: 603-027-00-1 REACH registration number: 01-2119456816-28	0 – 0.2	Acute Tox. 4 STOT RE 2	H302 H373
1,3,4,6,7,8-Hexahydro-4,6,6,7,8,8-hexamethylcyclopenta[g]-2-benzopyran CAS number: 1222-05-5 EC number: 214-946-9 Index number: - REACH registration number: the substance is subject to the transitional period regulations	<0.5	Aquatic Chronic 1	H410

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3,7-Dimethyl-6-octen-1-ol CAS number: 106-22-9 EC number: 203-375-0 Index number: - REACH registration number: 01-2119453995-23	<0.2	Skin Irrit. 2 Eye Irrit. 2 Skin Sens. 1	H315 H319 H317
Benzyl dimethylcarbinyl butyrate CAS number: 10094-34-5 EC number: 233-221-8 Index number: - REACH registration number: the substance is subject to the transitional period regulations	<0.2	Aquatic Chronic 2	H411

The full meaning of hazard statements has been given in section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Routes of exposure:

Inhalation, ingestion, skin and eye contact.

Inhalation:

Take the affected person out into fresh air. Place in a comfortable position. Ensure peace and protect against heat loss. Provide medical assistance if necessary.

Consumption:

Rinse mouth with water, drink 2-3 cups of water, consult a doctor. Do not induce vomiting. If unconscious do not give anything by mouth.

Transport the affected person to hospital if necessary. Ensure peace, place in a lying position and protect against heat loss.

Eye contact:

Remove any contact lenses if possible.

Flush with plenty of lukewarm water for 10–15 minutes with eyelids wide open. Place the upper eyelid on the lower eyelid from time to time. Cover the eyes with a compress.

Provide ophthalmologist assistance if necessary.

Skin contact:

Take off the contaminated clothes and shoes.

Wash the contaminated skin with plenty of water and then with water containing mild soap.

Seek medical attention if skin irritation persists.

4.2. Most important symptoms and effects, both acute and delayed

No further data available.

4.3. Indication of any immediate medical attention and special treatment needed

The course of action is decided on by a medical doctor, based on an examination of the person affected.

SECTION 5: Fire emergency procedure

5.1. Extinguishing agents:

Suitable extinguishing agents: alcohol-resistant foam or dry extinguishing agents, carbon dioxide extinguishers, sand, soil, water aerosol. Choose extinguishing agents based on the conditions of the environment.

Unsuitable extinguishing agents: High volume water jet.

5.2. Special threats related to the substance or mixture

In case of fire, high temperatures cause a release of hazardous decomposition products that contain carbon monoxides.

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5.3. Information for the fire department

Spray the containers located in the fire area with water, remove from the hazardous area if possible. In case of a fire in an enclosed environment, use protective clothing and compressed air breathing apparatus. Do not allow the extinguishing agents into ground waters, surface waters, or sewage systems.

SECTION 6: Measures regarding accidental release into the environment

6.1. Individual safety measures, protective equipment and emergency procedures

For persons other than emergency personnel: notify the appropriate authorities of the emergency. Remove any persons not participating in the containment procedures from the contamination area.

For emergency personnel: Ensure proper ventilation, use individual safety measures.

6.2. Environmental safety measures

Prevent the contamination from spreading into sewage systems and water reservoirs.

6.3. Methods of removing and preventing the spread of contamination:

Prevent the contamination from spreading and attempt removal using absorptive materials (sand, diatomite, universal absorbent), place the contaminated materials in properly marked containers for subsequent utilization in accordance with the mandatory provisions of the law.

6.4. References to other sections

Product waste disposal – see section 13 of this data sheet.

Individual protective measures – see section 8 of this data sheet.

SECTION 7: Storage and use of substances and mixtures

7.1. Precautions for safe handling

Recommendations for handling the mixture

Avoid direct contact with the mixture.

Avoid inhalation.

Prevent from spreading into sewage systems.

Apply general provisions of the industrial work hygiene

Do not eat, drink or smoke when using the product.

Replace the contaminated clothing.

Wash hands thoroughly after handling.

Wash contaminated clothing before reusing.

Wash hands and face before breaks at work.

7.2. Safe storage regulations, including any mutual incompatibility information

Store in a well-ventilated area.

Keep container tightly closed.

Store in a cool place.

Protect from sunlight and sources of heat.

Do not store with food or animal feeding stuffs.

Always use containers made of materials analogous to the original ones.

Open containers should be handled very carefully so as to prevent spillage.

Do not handle until all safety precautions have been read and understood.

7.3. Specific end use(s)

See section 1.2 of this data sheet.

SECTION 8: Exposure controls/individual protective measures

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8.1. Control parameters

The national highest acceptable concentration values in the work environment

in accordance with the Notice of the Minister of Labor and Social Policy of 6 June 2014 on the highest acceptable concentration and intensity of factors detrimental to health in the work environment (Dz.U. (Journal of Laws) 2014, item 817).

NAME OF THE SUBSTANCE	ID	NDS (mg/m3)	NDSch (mg/m ³)	NDSP (mg/m3)
ethane-1,2-diol [ethylene glycol]	CAS number: 107-21-1	15	50	---
	EC number: 203-473-3			
	Index number: 603-027-00-1			

8.2. Exposure controls

Appropriate technical control measures: Storage rooms and work stations should be adequately ventilated.

Appropriate technical control measures

Storage rooms and work stations should be adequately ventilated.

Individual safety measures



Face and eye protection

If while using the product splashing may occur – use tight-fitting safety glasses or faceshield screens according to EN 166.

Skin protection



Hand protection

Wear protective gloves according to EN 374.

Recommended material: nitrile rubber

When selecting glove materials, consider their breakthrough time, rates of diffusion and degradation.

The protective gloves should be regularly changed or replaced immediately if damaged (torn, perforated), or when first signs of wear and changes in their appearance occur (color, flexibility, shape).

A protective cream should be applied to all uncovered parts of the body.

Body protection

Use protective workwear.

The selection of individual protection measures must be made taking into account the concentration and quantity of the hazardous substance occurring in the work environment.

Respiratory tract protection

Not necessary if ventilation is adequate.

Environment exposure controls

Do not discharge into sewage systems or ground waters.

General safety and hygiene recommendations

Follow good hygiene practice.

SECTION 9: Physical and chemical properties

9.1. Basic physical and chemical property information

Appearance:

Under normal conditions: liquid

Color:

Unspecified

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Odor:	Distinctive for the product
Odor threshold:	Unspecified
pH:	Unspecified
Melting point/freezing point:	Unspecified
Initial boiling point and boiling range:	Unspecified
Flash point:	Unspecified
Flammability (solid, gas):	Unspecified
Upper/lower flammability or explosive limits:	Unspecified
Vapor pressure	Unspecified
Vapor density:	Unspecified
Relative density:	Unspecified
Solubility:	Soluble in water
Partition coefficient: n-octanol/water:	Unspecified
Auto-ignition temperature:	Unspecified
Decomposition temperature:	Unspecified
Viscosity:	Unspecified
Explosive properties:	Not applicable
Oxidizing properties:	Not applicable

9.2. Additional information

No additional analysis results.

SECTION 10: Stability and reactivity

10.1. Reactivity

The mixture is chemically stable under normal conditions.

10.2. Chemical stability

The product is stable when properly used, stored and transported.

10.3. Potential for hazardous reactions

No data

10.4. Conditions to avoid

Avoid high temperatures, direct sunlight, hot surfaces and open fire.

10.5. Incompatible materials

No data

10.6. Hazardous decomposition products

Do not occur when used in accordance with its purpose.

SECTION 11: Toxicological information

11.1. Information regarding toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

3-Methoxy-3-methyl-1-butanol

LD50 (oral, rat): 4300 mg/kg

LD50 (oral, mouse) 5830 mg/kg

LD50 (dermal, rabbit) >2000 mg/kg

Skin corrosion/irritation

Based on available data, the classification criteria are not met.

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Serious eye injury/irritation

Causes serious eye irritation.

Allergenic influence on respiratory tract or skin

Based on available data, the classification criteria are not met.

Mutagenic influence on reproductive cells

Based on available data, the classification criteria are not met.

Carcinogenicity

Based on available data, the classification criteria are not met.

Harmful influence on reproductive organs

Based on available data, the classification criteria are not met.

Toxic influence on target organs – single exposure

Based on available data, the classification criteria are not met.

Toxic influence on target organs – repeated exposure

Based on available data, the classification criteria are not met.

Hazard caused by aspiration

Based on available data, the classification criteria are not met.

SECTION 12: Environmental information

12.1. Toxicity

3-Methoxy-3-methyl-1-butanol

Acute toxicity for fish: LC50 100 mg/l, 96 h (*Oryzias latipes*)

Acute toxicity for daphnia: EC50 >1000 mg/l, 48 h

Acute toxicity for algae: IC50 >1000 mg/l, 72 h

Acute toxicity for bacteria: EC50 >1000 mg/l, 3 h

Chronic toxicity for daphnia: NOEC 100 mg/l, 21 d (*Daphnia magna*)

12.2. Durability and dissolution potential

3-Methoxy-3-methyl-1-butanol

readily biodegradable

The surfactants contained in the product comply with the biodegradability criteria as laid down in Regulation (EC) 648/2004.

12.3. Bioaccumulation capacity

3-Methoxy-3-methyl-1-butanol: BCF: 0.5

12.4. Soil mobility

No data

12.5. Results of PBT and vPvB properties evaluation

No data

12.6. Other harmful effects

No data

SECTION 13: Waste disposal

13.1. Waste disposal methods

Empty containers should be transported to an authorized company in order to be reprocessed or recycled.

Do not store with municipal waste.

Do not discharge into sewage systems, surface waters or wastewater.

Waste code

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Act of 14 December 2012 on waste (Dz.U. (Journal of Laws) 2013, item 21).

Regulation of the Minister of Environment of 9 September 2014 on the waste catalogue (Dz.U. (Journal of Laws) 2014, item 1923).

The waste code must be assigned individually at the location where the waste is produced, depending on the industry in which it is used.

SECTION 14: Transport information

	ADR/RID	IMGD	IATA
14.1. UN number	---	---	---
14.2. UN proper shipping name	---	---	---
14.3. Transport hazard class(es)	---	---	---
Warning sticker No.	---	---	---
14.4. Packing group	---	---	---
14.5. Threat to the environment	---	---	---
14.6. Special precautions for users		Not applicable	
14.7. Bulk transport in accordance with the MARPOL convention appendix II and the IBC code		Not applicable	

SECTION 15: Legal information

15.1. Provisions of the law regarding safety and protection of the environment in relation to the substance or mixture

This safety data sheet has been drawn up based on the following legal acts:

1. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
2. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006. [ATP1, ATP2, ATP3, ATP4, ATP5, ATP6]
3. Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) as corrected (replaces Regulation EC No 453/2015)
4. Act of 25 February 2011 on the chemical substances and their mixtures (Dz.U. (Journal of Laws) No 63, item 322 with amendments).
5. Regulation of the Minister of Labor and Social Policy of 6 June 2014 on the maximum permissible concentration and intensity of agents harmful to health in the work environment (Dz.U. (Journal of Laws) item 817).
6. Act of 14 December 2012 on waste (Dz.U. (Journal of Laws) 2013, item 21).
7. Regulation of the Minister of Environment of 9 September 2014 on the waste catalogue (Dz.U. (Journal of Laws) 2014, item 1923).
8. Classification of dangerous goods according to the European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR).
9. Regulation of the Minister of Labor and Social Policy of 26 September 1997 on general provisions of occupational safety and health (Dz.U. (Journal of Laws) 2003 No 169, item 1650 with amendments).
10. Regulation of the Minister of Health of 30 December 2004 on occupational health and safety related to the presence of chemical agents in the workplace (Dz.U. (Journal of Laws) 2005 No 11, item 86 with amendments).
Regulation of the Minister of Economy of 21 December 2005 on essential requirements for personal protection (Dz.U. (Journal of Laws) No 259, item 2173).

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15.2. Chemical safety evaluation

No chemical safety evaluation for the mixture.

SECTION 16: Additional information

List of hazard statements from section: 3

H302 Harmful if swallowed

H314 Causes severe skin burns and eye damage

H315 Causes skin irritation

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation

H373 Causes damage to organs through prolonged or repeated exposure

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

H411 Toxic to aquatic life with long lasting effects

CAS (Chemical Abstracts Service)

EC number means one of the following:

- the number of the substance as given in the European Inventory of Existing Chemical Substances (EINECS),
- the number of the substance as given in the European List of Notified Chemical Substances (ELINCS)
- the number in the inventory of chemical substances listed in the European Commission's publication "No-longer polymers"

Description of used abbreviations, acronyms and symbols:

NDS - maximum allowable concentration of substances hazardous to health in work environment

NDSch - temporary maximum allowable concentration

NDSP - highest maximum allowable concentration

UN number - the four-digit number that identifies hazardous materials and articles (UN No)

ADR - the European Agreement concerning the International Carriage of Dangerous Goods by Road

RID - the Regulation concerning the International Carriage of Dangerous Goods by Rail

IMDG - International Maritime Dangerous Goods Code

IATA – International Air Transport Association

vPvB (substance) very Persistent very Bioaccumulable

PBT (substance) Persistent Bioaccumulative Toxic

LD50 Lethal dose required to kill half the members of a tested population

LC50 Lethal concentration required to kill half the members of a tested population

ECX Concentration at which X% inhibition of growth or growth rate is observed

NOEL The highest concentration with no effect observed

BOD Biochemical Oxygen Demand (BZT) pl: Biochemiczne Zapotrzebowanie Tlenu

COD Chemical Oxygen Demand (ChZT) pl: Chemiczne Zapotrzebowanie Tlenu

ThOD Theoretical Oxygen Demand - pl: Teoretyczne Zapotrzebowanie Tlenu

Additional information:

The product described in the safety data sheet should be kept and used in accordance with the good industrial practice and all legal regulations.

The information included in the safety data sheet, based on the current knowledge, is aimed at the description of the product from the point of view of the legal regulations concerning safety, health and environment protection. They should not be construed as a warranty for any specific properties.

The user is responsible for ensuring conditions of safe use of the product and is liable for the effects of the improper use of this product.

The safety data sheet has been issued by:

EKOS S.C.

80-266 Gdańsk, al. Grunwaldzka 205/209

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based on data provided by the Ordering Party and own database.