

According to 1907/2006/EC (REACH), 2015/830/EU

SECTION 1: Identification of the substance/mixture and of the company/undertaking

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1.1 Preparation identification

ZONE Air Freshner Ocean

1.2 Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses: Air freshener Uses advised against: not determined.

1.3. Details of the supplier of the Safety Data Sheet

Ail Sp. z o.o. ul.Sowia 15 62-080 Tarnowo Podgórne Poland e-mail: andy@aii-company.com www.aii-company.com

1.4 Emergency telephone numbers

112 - the emergency number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture:

Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Aerosol 1, H222 Aerosol 1, H229

2.2. Label elements



Hazard statements

- H222 Extremely flammable aerosol.
- H229 Pressurised container: May burst if heated.



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Precautionary statements

- **P101** If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- **P210** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Do not pierce or burn, even after use.
- P410+P412 Protect from sunlight. Do no expose to temperatures exceeding 50°C/122°F.

2.3. Other hazards

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII - no Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII - Not available

Other hazards which do not result in classification - None known

SECTION 3: Composition/information on ingredients

3.1. Substances: Not applicable

3.2 Mixtures:

Compound	CAS No.	EC No.	Index No	% w/w	Classification according to Regulation No. 1272/2008
Butane	106-97-8	203-448-7	601-004-00-0	10,0-25,0	Flam. Gas 1, H220 Press Gas 1, H280
Propane	74-98-6	200-827-9	601-003-00-5	10,0-25,0	Flam. Gas 1, H220 Press Gas 1, H280
Propan-2-ol	67-63-0	200-661-7	603-117-0-0	2,5-5,0	Eye Irrit. 2: H319 Flam. Liq. 2: H225 STOT SE 3: H336

Additional information:

For full text of H statements, please refer to Section:16

SECTION 4: First aid measures

4.1 Description of first aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

Inhalation - This product does not contain substances classified as hazardous for inhalation, however, in case of symptoms of intoxication remove the person affected from the exposure area and provide with fresh air. Seek medical attention if the symptoms get worse or persist.

Eye contact – Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, as this could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS of the product.

Skin contact - In case the skin is affected (stinging, redness, rashes, blisters,...), seek medical help with this Safety Data Form.

Ingestion - In case of consumption, seek immediate medical assistance showing the SDS of this product.



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4.1.2 General recommendations:

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Do not spray on naked flame or any incandescent material. Keep away from sources of ignition – No smoking. Keep out of the reach of children. Do not breath spray. Use only in well-ventilated areas. Avoid contact with eyes. Use only as directed.

4.2 Most important symptoms and effects, both acute and delayed:
Potential acute health effects
Eye contact: Not applicable
Skin contact: Not applicable
Ingestion: Not applicable
Inhalation: Not applicable

4.3 Indication of any immediate medical attention and special treatment needed Non –applicable

SECTION 5: Firefighting measures

5.1. Extinguishing media

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO2). IT IS RECOMMENDED NOT to use tap water as an extinguishing agent.

5.2. Special hazards arising from the substance or mixture:

As a result of combustion or thermal decomposition reactive sub -products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3. Advice for firefighters

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area and keep out t hose without protection. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inertization agent. Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, and also ensuring that all surfaces are connected to the ground



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6.2. Environmental precautions

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

6.3. Methods and material for containment and cleaning up

It is recommended:

Absorb the spillage using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Reference to other sections

See Section 1 for emergency contact information. See Section 8 for information on appropriate personal protective equipment. See Section 13 for additional waste treatment information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

A.- Precautions for safe manipulation

Comply with the current legislation concerning the prevention of industrial risks. Keep containers hermetically sealed. Contr ol spills and residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order and cleanliness where dangerous products are used.

B.- Technical recommendations for the prevention of fires and explosions

Avoid the evaporation of the product as it contains flammable substances, which could form flammable vapour/air mixtures in t he presence of sources of ignition. Control sources of ignition (mobile phones, sparks,...) and transfer at slow speeds to avoid the creation of electrostatic charges. Avoid projections and pulverizations. Consult section 10 for conditions and materials that should be avoided.

C.- Technical recommendations to prevent ergonomic and toxicological risks Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2. Conditions for safe storage, including any incompatibilities

A Technical measures	for storage
Minimum Temp.:	5 °Č
Maximum Temp.:	25 °C
Maximum time:	48 Months

B.- General conditions for storage

Avoid sources of heat, radiation, static electricity and contact with food. For additional information see subsection 10.5

7.3. Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recomme ndation regarding the uses of this product.



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the work environment

DNEL (Workers):

		Short e	xposure	Long ex	xposure
Identification		Systemic	Local	Systemic	Local
Propan-2-ol CAS: 67-63-0 EC: 200-661-7	Oral	Non-applicable	Non-applicable	Non-applicable	Non-applicable
	Dermal	Non-applicable	Non-applicable	888 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	500 mg/m³	Non-applicable

DNEL (Population):

		Short e	xposure	Long exposure	
Identification		Systemic	Local	Systemic	Local
Propan-2-ol CAS: 67-63-0 EC: 200-661-7	Oral	Non-applicable	Non-applicable	26 mg/kg	Non-applicable
	Dermal	Non-applicable	Non-applicable	319 mg/kg	Non-applicable
	Inhalation	Non-applicable	Non-applicable	89 mg/m³	Non-applicable

PNEC:

Identification				
Propan-2-ol CAS: 67-63-0 EC: 200-661-7	STP	2251 mg/L	Fresh water	140,9 mg/L
	Soil	28 mg/kg	Marine water	140,9 mg/L
	Intermittent	140,9 mg/L	Sediment (Fresh water)	552 mg/kg
	Oral	160 g/kg	Sediment (Marine water)	552 mg/kg

8.2 Exposure controls

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Directive 89/686/EC. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of protection,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Respiratory protection

The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded



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C.- Specific protection for the hands

Pictogram	PPE	Labelling	CEN Standard	Remarks	
Mandatory hand protection	Protective gloves against minor risks	CATI		Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using CE III gloves in line with standards EN 420 and EN 374.	

"As the product is a mixture of several substances, the resistance of the glove material can not be predicted in advance with total reliability and has therefore to be checked prior to the application"

D.- Ocular and facial protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
Mandatory face protection	Panoramic glasses against splash/projections.		EN 166:2001 EN ISO 4007:2012	Clean daily and disinfect periodically according to the manufacturer´s instructions. Use if there is a risk of splashing.

E.- Bodily protection

Pictogram	PPE	Labelling	CEN Standard	Remarks
	Work clothing	CATI		Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2001, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Anti-slip work shoes		EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345 y EN 13832-1

F.-Additional emergency measures

It is not necessary to take additional emergency measures.

Emergency measure	Standards	Emergency measure	Standards
Emergency shower	ANSI Z358-1 ISO 3864-1:2002	Eyewash stations	DIN 12 899 ISO 3864-1:2002

Environmental exposure controls:

In accordance with the community legislation for the protection of the environment it is recommended to avoid environmental s pillage of both the product and its container. For additional information see subsection 7.1.D

Volatile organic compounds:With regard to Directive 2010/75/EU, this product has the following characteristics:V.O.C. (Supply):33,57% weightV.O.C. density at 20 °C:Non -applicableAverage carbon number:3,26Average molecular weight:63,75 g/mol



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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties Appearance – aerosol Odour - nice, characteristic for used fragrance Odour threshold - no data pH $(20^{\circ}C)$ – not applicable Melting point/freezing poin - no data Initial boiling point and boiling range - no data Flash point - -60 °C (Propellant) Autoignition temperature: - 365 °C (Propellant) Evaporation rate - no data Flammability (solid, gas) - extremely flammable Upper/lower flammability or explosive limits - no data Vapour pressure at 50 °C - <300000 Pa (300kPa) Vapour density - not applicable Relative density [g/cm³] – not applicable Solubility(ies) - not applicable Partition coefficient: n-octanol/water - no data available Auto-ignition temperature - not applicable Decomposition temperature - not applicable Viscosity - no data available Oxidising properties. - not applicable

9.2 Other information No additional information

SECTION 10: Stability and reactivity

10.1 Reactivity - No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Chemical stability - Chemically stable under the conditions of storage, handling and use.

10.3 Possibility of hazardous Reactions - Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid - Temperatures in excess of 50°C.Sources of heat or humidity. Pressure.

10.5 Incompatible materials - Avoid strong acids

10.6 Hazardous decomposition products - See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO2), carbon monoxide and other organic compounds.



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SECTION 11: Toxicological information

11.1. Information on toxicological effects:

Acute toxicity

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

Irritation/Corrosion

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

Sensitiser

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

Mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

Specific target organ toxicity (single exposure)

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

Specific target organ toxicity (repeated exposure)

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

Aspiration hazard

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

Other information:

The likely routes of exposure: -

Specific toxicology information on the substances:

	Identification	A	Acute toxicity		
Butane		LD50 oral	>2000 mg/kg		
CAS: 106-97-8		LD50 dermal	>2000 mg/kg		
EC: 203-448-7		LC50 inhalation	658 mg/L (4 h)	Rat	
Propane		LD50 oral	>2000 mg/kg		
CAS: 74-98-6		LD50 dermal	>2000 mg/kg		
EC: 200-827-9		LC50 inhalation	>5 mg/L (4 h)		
Propan-2-ol		LD50 oral	5280 mg/kg	Rat	
CAS: 67-63-0		LD50 dermal	12800 mg/kg	Rat	
EC: 200-661-7		LC50 inhalation	72,6 mg/L (4 h)	Rat	



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SECTION 12: Ecological information

12.1 Toxicity

Identification	Acute toxicity		Species	Genus
Propan-2-ol	LC50	9640 mg/L (96 h)	Pimephales promelas	Fish
CAS: 67-63-0	EC50	13299 mg/L (48 h)	Daphnia magna	Crustacean
EC: 200-661-7	EC50	1000 mg/L (72 h)	Scenedesmus subspicatus	Algae

12.2. Persistence and degradability

Identification	Degradability		Biodegradability			
Propan-2-ol	BOD5	1.19 g O2/g	Concentration	100 mg/L		
CAS: 67-63-0	COD	2.23 g O2/g	Period	14 days		
EC: 200-661-7	BOD5/COD	0.53	% Biodegradable	86 %		

12.3. Bioaccumulative

Identification		Bioaccumulation potential	
Butane		BCF	33
CAS: 106-97-8		Pow Log	2.89
EC: 203-448-7		Potential	Moderate
Propane		BCF	13
CAS: 74-98-6		Pow Log	2.86
EC: 200-827-9		Potential	Low
Propan-2-ol		BCF	3
CAS: 67-63-0 EC: 200-661-7	Pow Log	0.05	
	Potential	Low	

12.4. Mobility in soil

Identification	Absorption/desorption		Volatility	
Butane	Кос	900	Henry	96258,75 Pa·m³/mol
CAS: 106-97-8	Conclusion	Low	Dry soil	Yes
EC: 203-448-7	Surface tension	1,187E-2 N/m (25 °C)	Moist soil	Yes
Propane	Кос	460	Henry	71636,78 Pa·m³/mol
CAS: 74-98-6	Conclusion	Moderate	Dry soil	Yes
EC: 200-827-9	Surface tension	7,02E-3 N/m (25 °C)	Moist soil	Yes
Propan-2-ol	Кос	1.5	Henry	8,207E-1 Pa·m³/mol
CAS: 67-63-0	Conclusion	Very High	Dry soil	Yes
EC: 200-661-7	Surface tension	2,24E-2 N/m (25 °C)	Moist soil	Yes

12.5. Results of PBT and vPvB - Product fails to meet PBT/vPvB criteria

12.6. Other adverse effects - no data



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SECTION 13: Disposal considerations

13.1. Waste treatment methods:

Follow the laws in force in the area. Thoroughly emptied packaging products are the subject of municipal waste collection.

Legal basis:

In accordance with Annex II of Regulation (EC) n °1907/2006 (REACH) the community or state provisions related to waste management are stated Community legislation: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) No 1357/2014

SECTION 14: Transport information

According to the requirements of ADR / RID:

14.1 UN number - 1950

14.2 UN proper shipping name - AEROSOLS, flammable

14.3 Transport hazard class(es) – 2 Labels: 2.1

14.4 Packing group - no data available

14.5 Environmental hazards - no data available

14.6 Special precautions for user Special regulations: 190, 327, 344, 625 Tunnel restriction code: D Physico-Chemical properties: see section 9 Limited quantities: 1 L

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code - no data available

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

- REGULATION (EC) NO 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency
- Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006
- ▲ The European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR)
- REGULATION (EC) No 648/2004 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 31 March 2004 on detergents
- The Act of 25 February 2011. on chemical substances and mixtures thereof. (Dz.U. 2011, nr 63, poz.



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322.), as amended

- 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, Authorisation and Restriction of Chemicals (REACH)
- DIRECTIVE 2008/98/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 19 November 2008 on waste and repealing certain Directives
- COMMISSION DECISION of 18 December 2014 amending Decision 2000/532/EC on the list of waste pursuant to Directive 2008/98/EC of the European Parliament and of the Council

COMMISSION DIRECTIVE 2000/39/EC of 8 June 2000 establishing a first list of indicative occupational exposure limit values in implementation of Council Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

15.2 Chemical safety assessment not applicable

SECTION 16: Other information

H phrases:

- H319 Causes serious eye irritation.
- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H280 Contains gas under pressure, may explode if heated.
- H336 May cause drowsiness or dizziness

Abbreviations and acronyms:

ATE = Acute Toxicity Estimate

CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]

DEL = Derived effect levels

DNEL = Derived No Effect Level

EUH statement = CLP-specific Hazard statement

PEC = Predicted effect concentrations

PNEC = Predicted No Effect Concentration

RRN = REACH Registration Number

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

ICAO: International Civil Aviation Organisation

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

Above information are elaborated in base of present accessible data characterizing product, experience and knowledge of the producer. They are not a part of product quality description not even a promise for specific characteristics. They should be treated as help for safe storing, using and transporting of product. However the worker is not without responsibility to. He should correctly use above information and comply with all law standards valid in this field. field.